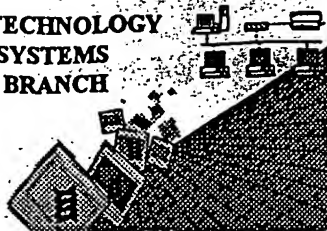


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BIOTECHNOLOGY  
SYSTEMS  
BRANCH



0280

## **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer-readable form:

Application Serial Number: 10 087,631  
Source: OIPE  
Date Processed by STIC: 3/19/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
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Revised 01/29/2002



OIPE

**Does Not Comply  
Corrected Diskette Needed**

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/087,631

DATE: 03/19/2002  
TIME: 15:57:44

*Error on pg. 2*

Input Set : A:\1803.txt  
Output Set: N:\CRF3\03192002\J087631.raw

```

4 <110> APPLICANT: Jaeger, Stefan
6 <120> TITLE OF INVENTION: A method for determination of a nucleic acid using a
7   control
9 <130> FILE REFERENCE: 18981
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/087,631
C--> 11 <141> CURRENT FILING DATE: 2002-03-01
11 <160> NUMBER OF SEQ ID NOS: 17
13 <170> SOFTWARE: PatentIn Ver. 2.1
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 21
17 <212> TYPE: DNA
18 <213> ORGANISM: Artificial Sequence
20 <220> FEATURE:
21 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
22   sequence to exemplify principle
24 <400> SEQUENCE: 1
25 agcgcatgcc agattactgg c                               21
27 <210> SEQ ID NO: 2
28 <211> LENGTH: 21
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Description of Artificial Sequence: artificial
34   sequence to exemplify principle
36 <400> SEQUENCE: 2
37 tcgcgtacgg tctaagacc g                               21
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 34
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: Description of Artificial Sequence: ST650 HCV
46   specific probe sequence
48 <220> FEATURE:
49 <221> NAME/KEY: N_region
50 <222> LOCATION: (15)
51 <223> OTHER INFORMATION: n represents abasic linker
52   ((2-amino-cyclohexyl-)propan-1,3-diol)
54 <400> SEQUENCE: 3
W--> 55 cgggtgtactc accgnttccg cagaccacta tggc           34
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 31
59 <212> TYPE: DNA

```

## RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/10/087,631

TIME: 15:57:44

Input Set : A:\1803.txt

Output Set: N:\CRF3\03192002\J087631.raw

60 <213> ORGANISM: Artificial Sequence  
 62 <220> FEATURE:  
 63 <223> OTHER INFORMATION: Description of Artificial Sequence: ST2535 probe  
 64 sequence  
 66 <220> FEATURE:  
 67 <221> NAME/KEY: N\_region  
 68 <222> LOCATION: (15) *n is found at position 14!*  
 69 <223> OTHER INFORMATION: n represents an abasic linker  
 70 (2-amino-cyclohexyl-)propan-1,3-diol  
 72 <400> SEQUENCE: 4  
 W--> 73 tggactcagt cctttgggtca tctcaccttc t 31  
 75 <210> SEQ ID NO: 5  
 76 <211> LENGTH: 34  
 77 <212> TYPE: DNA  
 78 <213> ORGANISM: Artificial Sequence  
 80 <220> FEATURE:  
 81 <223> OTHER INFORMATION: Description of Artificial Sequence: ST650pc probe  
 82 sequence (parallel-complementary to ST650)  
 84 <220> FEATURE:  
 85 <221> NAME/KEY: N\_region  
 86 <222> LOCATION: (15)  
 87 <223> OTHER INFORMATION: n represents an abasic linker  
 88 (2-amino-cyclohexyl-)propan-1,3-diol  
 90 <400> SEQUENCE: 5  
 W--> 91 gccacatgag tggcnaaggc gtctggtgat accg 34  
 93 <210> SEQ ID NO: 6  
 94 <211> LENGTH: 26  
 95 <212> TYPE: DNA  
 96 <213> ORGANISM: Artificial Sequence  
 98 <220> FEATURE:  
 99 <223> OTHER INFORMATION: Description of Artificial Sequence: ST280  
 100 HCV-speific Primer-sequence  
 102 <400> SEQUENCE: 6  
 103 gcagaaagcg tctagccatg gcgtta 26  
 105 <210> SEQ ID NO: 7  
 106 <211> LENGTH: 28  
 107 <212> TYPE: DNA  
 108 <213> ORGANISM: Artificial Sequence  
 110 <220> FEATURE:  
 111 <223> OTHER INFORMATION: Description of Artificial Sequence: ST778  
 112 HCV-specific Primer-sequence  
 114 <400> SEQUENCE: 7  
 115 gcaagcaccc tatcaggcag taccacaa 28  
 117 <210> SEQ ID NO: 8  
 118 <211> LENGTH: 26  
 119 <212> TYPE: DNA  
 120 <213> ORGANISM: Artificial Sequence  
 122 <220> FEATURE:  
 123 <223> OTHER INFORMATION: Description of Artificial Sequence: ST280pc Primer

## RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/10/087,631

TIME: 15:57:44

Input Set : A:\1803.txt

Output Set: N:\CRF3\03192002\J087631.raw

```

124      parallel-complementary to ST280
126 <400> SEQUENCE: 8
127 cgtctttcgc agatcggtag ctcaat 26
129 <210> SEQ ID NO: 9
130 <211> LENGTH: 28
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: ST778pc Primer
136      parallel-complementary to ST778
138 <400> SEQUENCE: 9
139 cgttcgtggg atagtcggtc atggtgtt 28
141 <210> SEQ ID NO: 10
142 <211> LENGTH: 241
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
148      derived by amplification of HCV type 1 using the
149      primers ST280 and ST778
151 <400> SEQUENCE: 10
152 gcagaaagcg tctagccatg gcgtagtat gagggtgtg cagcctccag gacccccct 60
153 cccgggagag ccatagtggg ctgcggaacc ggtgagtaca ccggaattgc caggacgacc 120
154 gggctcctttc ttggatcaac ccgctcaatg cctggagatt tgggcgtgcc cccgcgagac 180
155 tgctagccga gtagtggttg gtcgcgaaag gccttggtgt actgcctgat aggggtgctt 240
156 c 241
158 <210> SEQ ID NO: 11
159 <211> LENGTH: 943
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: QS(pc)HCV
165      being parallel-complementary to according region
166      of the HCV type1 genome
168 <400> SEQUENCE: 11
169 agatctccgc tgtgaggtgg tatctagtga ggggacactc cttgatgaca gaagtgcgtc 60
170 tttcgcagat cggtagcgca atcatactca cagcacgtcg gaggtcctgg gggggagggc 120
171 cctctcggta tcaccagacg ccttggccac tcatgtggcc ttaacggtcc tgctggccca 180
172 ggaaagaacc tagttgggcg agttacggac ctctaaaccc gcacgggggc gctctgacga 240
173 tcggctcatc acaaccacgc gctttccgga acaccatgac ggactatccc acgaacgctc 300
174 acggggccct ccagagcatc tggcacgtgg tactcgtgct taggatttgg agtttctttt 360
175 tggtttgcat tgtggttggc ggcaggtgtc ctgcagttca agggcccgcc accagtctag 420
176 caaccacctc aaatggacaa cggcgcgctc cgggggtcca acccacacgc gcgcgagtc 480
177 ttctgaaggc tcgccagcgt tggagcacct tccgctgttg gataggggtt ccgagcggct 540
178 gggctcccgt cccggacccg agtcgggccc atgggaaccg gggagatacc gttactccc 600
179 taccacaccc gtctaccga ggacagtggg gcaccaagag ccggatcaac cccggggagt 660
180 ctgggggccc catccagcgc attaaacca ttccagtagc tatgggaatg tacgccgaag 720
181 cggctggagt accccatgta aggcgagcag ccgcggggag atcccccgcg gcgggtccc 780
182 gaccgcgtac cgcaggccca agacctcctg ccgcacttga tacgttgtcc cttaaaccgg 840

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/087,631

DATE: 03/19/2002

TIME: 15:57:44

Input Set : A:\1803.txt

Output Set: N:\CRF3\03192002\J087631.raw

```

183 ccaacgagaa agagatagaa ggagaaccca aacgacagaa caaactggta gggtcgaagg 900
184 cgaatacttc acgcgtaaac atgaggatta cccatgtaag ctt 943
186 <210> SEQ ID NO: 12
187 <211> LENGTH: 241
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: amplicon
193     derived from QS(pc)HCV using the primers ST280pc
194     and ST778pc
196 <400> SEQUENCE: 12
197 cgtcttttcg agatcggtag cgcaatcata ctcaacagcac gtcggagggtc ctgggggggga 60
198 gggccctctc ggtatcacca gacgccttgg ccaactcatgt ggccttaacg gtcctgctgg 120
199 cccaggaaag aacctagttg ggcgagttac ggacctctaa acccgcacgg gggcgctctg 180
200 acgatcggct catcacaacc cagcgctttc cggaacacca tgacggacta tcccacgaac 240
201 g 241
203 <210> SEQ ID NO: 13
204 <211> LENGTH: 241
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence: amplicon
210     sequence derived from QSHCV (HCV amplification
211     control having binding sites for ST280, ST778 and
212     ST2535) using the primers ST280 and ST778
214 <400> SEQUENCE: 13
215 gcagaaagcg tctagccatg gcgttagtat agtggcgtga gagcagccct tgcctcgccc 60
216 accgcgcgtc tagaaggtga gatgaccaga ggactgagtc caatgcatgc tggctccgag 120
217 atgctccgca aacttgccgt caacgtgact gcgtacggcg ggcgtgcccg cctggctgtg 180
218 tatgagctgg tgaccgtgat ctggctggag gccttggtgt actgcctgat aggggtgctt 240
219 c 241
221 <210> SEQ ID NO: 14
222 <211> LENGTH: 375
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: ICSJ620HCV
228     (HCV specific amplification control having a
229     binding site for ST280 and ST778 and an internal
230     region being parallel-complementary to HCV)
232 <400> SEQUENCE: 14
233 agatctcggg cgggggacta cccccgctgt gaggtggtac ttagtgaggg gacactcctt 60
234 gatgacagaa gtggcagaaa gcgtctagcc atggcggttac atactcacag cacgtcggag 120
235 gtcctggggg ggagggccct ctcggtatca ccagacgctt tggccactca tgtggcctta 180
236 acggtcctgc tggcccagga aagaacctag tttgggcgag ttacggacct ctaaaccgc 240
237 acggggggcg tctgacgacg ggtcatcac aaccacgcgc tttccggttg tggactgccc 300
238 tgataggggt cttgcctcga ggggccctcc agagcatctg gcacgtggaa acatgaggat 360
239 taccatgta agctt 375
241 <210> SEQ ID NO: 15

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## RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/10/087,631

TIME: 15:57:44

Input Set : A:\1803.txt

Output Set: N:\CRF3\03192002\J087631.raw

```

242 <211> LENGTH: 242
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: amplicon
248     derived from ICSJ620HCV (HCV-specific
249     amplification control) using ST280 and ST778 as
250     primers
252 <400> SEQUENCE: 15
253 gcagaaagcg tctagccatg gogttacata ctcacagcac gtcggagggtc ctgggggggga 60
254 gggccctctc ggtatcacca gacgccttgg ccactcatgt ggccttaacg gtcctgctgg 120
255 cccaggaaag aacctagttt gggcgagtta cggacctcta aaccgcacg gggg'gcgtct 180
256 gacgatcggc tcatacacaac ccagcgcttt ccggttggtg tactgcctga taggggtgctt 240
257 gc 242
259 <210> SEQ ID NO: 16
260 <211> LENGTH: 46
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Description of Artificial Sequence: NTQ21-46-A
267 <400> SEQUENCE: 16
268 cgatcatctc agaacattct tagcgttttg ttcttggtga tgatcg 46
270 <210> SEQ ID NO: 17
271 <211> LENGTH: 21
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Description of Artificial Sequence: artifical
277     sequence to exemplify principle
279 <400> SEQUENCE: 17
280 cggtcattag accgtacgcg a 21

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## VERIFICATION SUMMARY

DATE: 03/19/2002

PATENT APPLICATION: US/10/087,631

TIME: 15:57:45

Input Set : A:\1803.txt

Output Set: N:\CRF3\03192002\J087631.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5